

Datasheet

Suction cup DCF110P Polyurethane 60, G3/8" male, 1/8" NPSF female, with mesh filter

Item number: DCF110P.5Y.G69MR



Technical data

Description	Unit	Value
Suction cup shape	-	Deep Concave
Application	-	Oily sheet metal
Suction cup design	-	Round
Characteristics	-	Oily sheet metal
Material	-	Polyurethane (PU)
Weight, min.	oz	3.34
Suction cup model	-	DCF
Volume	in ³	6.72
Height	in	1.98
Outer diameter, min.	in	4.43
Outer diameter, actuated	in	4.77
Fitting size	-	1/8", 3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female/Male
Fitting type	-	G-thread, NPSF-thread
Suction cup model	-	DCF110P Oily metal sheet
Movement, vertical max.	in	0.68
Curve radius, min.	in	6.024
Suction cup model	-	DCF110P Dry metal sheet
Movement, vertical max.	in	0.68
Curve radius, min.	in	6.024

Performance - Lifting forces

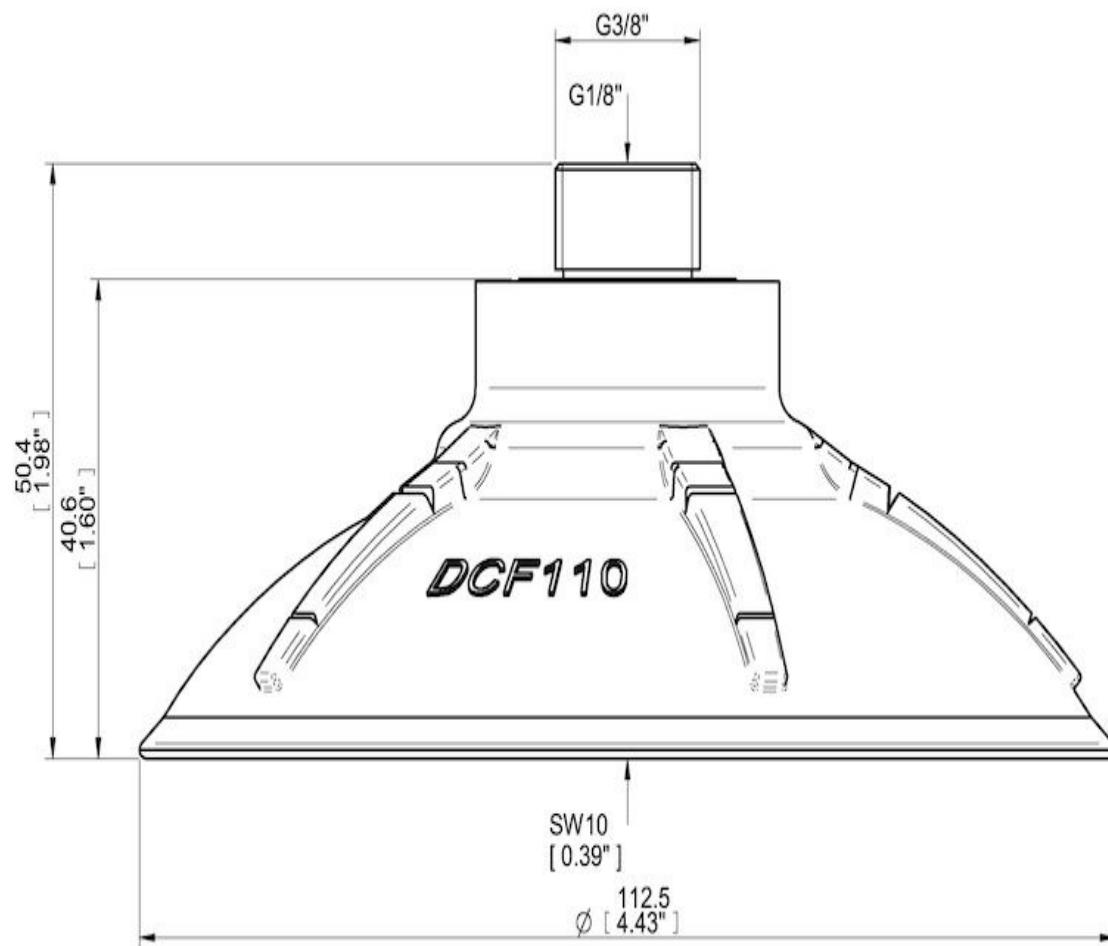
	Vertical (lb)	Parallel (lb)
DCF110P Oily metal sheet 17.72 -inHg	70.37	64.30
26.58 -inHg	97.34	80.48
DCF110P Dry metal sheet 17.72 -inHg	70.82	84.75
26.58 -inHg	98.017	128.82

Material			
Name	Polyurethane (PU30)	Polyurethane (PU60)	Polyurethane (PU60)
Color	Yellow	Green transparent	Orange
Temperature, min. °F	50.0	50.0	50.0
Temperature max. °F	122.0	122.0	122.0
Hardness °Shore A	30	60	60

Material resistance

Alcohol	n/a	n/a	n/a
Concentrated acids	Fair	Fair	Fair
Ethanol	Fair	Fair	Fair
Hydrolysis	Fair	Fair	Fair
Methanol	Poor	Poor	Poor
Oil	Excellent	Excellent	Excellent
Oxidation	Poor	Poor	Poor
Gasoline	Fair	Fair	Fair
Wear resistance	Excellent	Excellent	Excellent
Weather and ozone	Excellent	Excellent	Excellent

Dimensional drawings



Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.